



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue
Seattle, WA 98101**

September 15, 2005

MEMORANDUM

SUBJECT: Data validation report for the volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and pesticides/polychlorinated biphenyls (pest/PCBs) analysis of samples from the Atka Cape Kudugnak PA/SI Site
 Case: 34482 SDG: J64D3

FROM: Brandon Perkins, QA Chemist *BP*
 Office of Environmental Assessment

TO: Ken Marcy, Remedial Project Manager
 Office of Environmental Cleanup

CC: Mark Woodke
 Ecology and Environment

The quality assurance (QA) review of 6 soil samples and 1 water sample collected from the above referenced site has been completed. The samples were analyzed for VOCs, SVOCs, and pest/PCBs in accordance with the USEPA Contract Laboratory Program (CLP) Statement of Work (SOW) for Multi-Concentration Organic Analysis (OLM04.3). The analyses were performed by Ceimic Corporation of Narragansett, RI. The following samples were reviewed in this validation report:

SDG: J64D3

J64D3 J64D5 J64D6 J64D7 J64D8 J64D9 J64E0

Sample J64D3 is a trip blank associated with all samples.

DATA QUALIFICATIONS

The following comments refer to the laboratory performance in meeting the Quality Control (QC) Specifications outlined in the USEPA CLP SOW for Multi Concentration Organic Analysis (OLM04.3) and the USEPA CLP National Functional Guidelines for Organic Data Review (10/99).

The conclusions presented herein are based on the information provided for the review.

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Holding Time –

The samples were collected on 7/30/05 – 7/31/05, analyzed for VOCs on 8/12/05; SVOCs extraction occurred on 8/9/05, 8/12/05, and 8/15/05 then SVOCs analysis occurred on 8/15/05 and 8/17/05; Pest/PCBs extraction occurred on 8/9/05, 8/12/05, and 8/17/05 then Pest/PCBs analysis occurred on 8/16/05 - 8/17/05.

Due to laboratory error, the VOA soil samples were prepared and analyzed from the % moisture jars instead of the 40-mL vials. Therefore all non-detected VOA compounds were qualified estimated with an unknown bias, while detected VOA compounds were qualified estimated with a low bias in samples: J64D5, J64D6, J64D7, J64D8, J64D9, and J64E0.

Instrument Performance Checks – Acceptable

The GC/MS systems used for VOCs and SVOCs analysis met the performance checks and ion abundance criteria. All of the samples were analyzed within an acceptable 12-hour QC period and the instruments used remained stable throughout the course of analyses. None of the data were qualified on this basis.

The GC systems used in the pest/PCB analyses met the performance checks, resolution checks, and percent endrin and 4,4'-DDT breakdown criteria. All of the samples were analyzed within an acceptable 12-hour QC period and the instruments used remained stable throughout the course of analyses.

Initial Calibrations (ICAL) - Acceptable

All of the ICALs evaluated in this report met the technical acceptance criteria set forth by the SOW for the percent relative standard deviations (%RSDs), chromatographic resolutions, retention times and minimum response factors (RRFs) for all target compounds and surrogates except for the following:

The initial calibration curves for pest/PCBs analysis met the frequency of analysis and other technical acceptance criteria set forth by the SOW for the percent relative standard deviations (%RSDs), retention times, and minimum response factors (RRFs) for all target compounds and surrogates.

Continuing Calibration Verification (CCV) -

All of the GC/MS CCVs for VOCs and SVOCs met the criteria for frequency of analysis, and the technical acceptance criteria (resolution and performance checks, minimum response factors (RFs), percent differences (%Ds)) with the following exceptions:

Date/Time of Analysis	Compound	%D (25% limit)	Qualifier Detect/Non-detect	Associated Samples
8/12/05 13:03 instr. MS16	Dichlorodifluoromethane Chloromethane	91.7 34.5	J/None J/None	J64D5, J64D6, J64D7, J64D8, J64D9, J64E0

8/12/05 11:40 Instr. MS10	Benzaldehyde Hexachlorobutadiene 4-Nitrophenol Pentachlorophenol	73.5 32.9 41.0 28.8	J/None J/None J/None J/None	J64D5, J64D6, J64D7, J64D9
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All of the GC CCVs for pest/PCBs met the criteria for frequency of analysis, percent differences (%Ds) and % breakdowns of the technical acceptance criteria (pest-9.3.5- OLMO4.3).

Quantitation Limits - Acceptable

The samples were analyzed at the contract required quantitation limits (CRQL). The CRQLs were based on the lowest standard concentration analyzed in the initial calibrations. Target compounds that were detected at concentrations less than the QLs were qualified as estimated, "J". Detected compounds at concentrations over the calibration range were analyzed by the laboratory at a dilution. In cases like this, the reviewer crossed-out the initial concentration and reported the values reported from the dilution runs. Trace levels of common laboratory contaminants detected in the samples at concentrations <CRQLs were qualified by the reviewer as non-detect, "U" and reported at the CRQL. All of the reported results were adjusted for sample amounts analyzed. When applicable, all of the "E" and "D" qualifiers applied by the laboratory were crossed-out by the reviewer.

Target compounds detected at concentrations less than the CRQLs were qualified as estimated, "J", with a bias qualifier, "Q".

It is recommended that data users should utilize the results/analytical run selected by the reviewer where more than one analysis was performed on a single extract (i.e., dilution, re-analysis).

Blanks

All method and/or instrument blanks analyzed for VOCs, SVOCs, and pest/PCBs were acceptable with the exception of the following:

- ▶ Trace levels methylene chloride and acetone were detected in the method and trip blanks. Methylene chloride and acetone are common laboratory contaminants. Therefore methylene chloride and acetone at concentrations less than 10x the blank values, within samples associated with these blanks were qualified as non-detects, "U".
- ▶ Trace levels of bis(2-Ethylhexyl)phthalate was detected in one of the method blanks. This compound is a common laboratory contaminant. Therefore detected bis(2-Ethylhexyl)phthalate at concentrations less than 10x the blank value, within samples associated with this blanks, were qualified as non-detects, "U".

Analytical Sequence - Acceptable

All of the standards, blanks, samples, and QC samples were analyzed in accordance with the SOW specified analytical sequence. None of the data was qualified on this basis.

Surrogates - Acceptable

Three VOCs, eight SVOCs, two pest/PCBs were spiked in all the samples and QC samples to evaluate laboratory performance. The surrogates and their corresponding recovery acceptance limits are:

DMCs	Recovery Limits (%)	DMCs	Recovery Limits (%)
Toluene-d8 (TOL)	88-110	Phenol-d5 (PHL)	10-110
Bromofluorobenzene (BFB)	86-115	2-Fluorophenol (2FP)	21-110
1,2-dichloroethane-d4 (DCE)	76-114	2,4,6-Tribromophenol (TBP)	10-123
Nitrobenzene-d5 (NBZ)	35-114	2-Chlorophenol-d4 (2CP)	33-110
2-Fluorobiphenyl (FBP)	43-116	1,2-Dichlorobenzene-d4 (DCB)	16-110
Terphenyl-d14 (TPH)	33-141	Tetrachloro-m-xylene (TCX)	30-150

All of the surrogate recoveries met the applicable recovery criteria.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) –

For VOCs, J64E0 was designated for MS/MSD. For SVOCs, J64E0 was designated for low conc. MS/MSD and J64D8 was designated for medium conc. MS/MSD.

All MS/MSD analyses met the advisory technical acceptance criteria for percent recovery (%R) and relative percent difference (RPD) with the following exceptions:

Compound (J64E0)	MS %R	MSD %R	Control Limits	RPD	Control Limits
1,1-Dichloroethene	24*	26*	59-172	8	22
Trichloroethene	29*	30*	62-137	3	24
Benzene	31*	36*	66-142	15	21
Toluene	29*	30*	59-139	3	21
Chlorobenzene	23*	23*	60-133	0	21

*outside of control limits

1,1-Dichloroethene, Benzene, Trichloroethene, Toluene, and Chlorobenzene were qualified estimated “J” in sample J64E0

Compound (J64E0)	MS %R	MSD %R	Control Limits	RPD	Control Limits
N-Nitroso-di-n-prop.	43	32*	41-126	29	38

*outside of control limits

None of the data was qualified on this basis.

Compound (J64D8)	MS %R	MSD %R	Control Limits	RPD	Control Limits
N-Nitroso-di-n-prop.	18*	31*	41-126	53*	38
Phenol	29	45	26-90	43*	35
4-Chloro-3-methylphenol	44	64	26-103	37*	33
Acenaphthene	45	62	31-137	32*	19

*outside control limits

N-Nitroso-di-n-prop., was qualified estimated "J" in sample J64D8.

Internal Standards - Acceptable

The acceptance criteria for internal standards (IS) are ± 20 seconds for retention time (RT) shifts and -50% to +100% of the IS area as compared to the IS RT and area of the daily continuing calibration standard. All of the results met the IS area and RT shift criteria.

Compound Identification

All of the compounds detected in the GC/MS analyses were within the retention time windows, met the USEPA spectral matching criteria and were judged to be acceptable except for the following situation: Detected compounds with results below the CRQL and that had weak spectra were qualified as non-detected and reported at the CRQL level by the reviewer.

Pesticide and PCB Aroclors were calculated for both primary (CLP-Pest I) and confirmatory (CLP-Pest II) columns. The reviewer used professional judgement during the final identification and qualification of the single component pesticides and Aroclors. Detected pesticides and Aroclors with %Ds >30% but <60% between the two column concentrations were qualified estimated, "J". The lower of the two concentrations were reported on the Form Is. Detected pesticides and Aroclors at concentration <CRQLs with %Ds >60% between two columns were qualified non-detects, "U" with the reporting limits elevated to the CRQL level.

Gel Permeation Chromatography (GPC) Check -

The frequency of analysis and recovery criteria of GPC used during pests/PCB clean-up was met. None of the data was qualified on this basis.

Florisil Cartridge Check - Acceptable

The frequency of analysis and recovery criteria of florisil used during pests/PCB clean-up were met. None of the data were qualified on this basis.

Tentatively Identified Compounds

Peaks that were detected in the samples at areas >10% of the internal standards and were not part of the target compound lists were identified as tentatively identified compounds (TICs). TICs that were both found in the sample and in the associated method blank(s) were crossed-out by the reviewer. Peaks that were identified as common laboratory contaminants, solvent preservatives, column bleed or aldol condensation products were also crossed-out by the reviewer and qualified as unusable, "R". The rest of the peaks identified as TICs were

qualified "JN", tentatively identified at the estimated concentration.

Laboratory Contact

The laboratory was not contacted for this review.

Overall Assessment

The total number of data points was 866. Less than 1% of the total data points were qualified estimated due to VOCs detected concentrations less than the CRQL. Less than 1% of the total data points were qualified non-detects due to VOCs blank contamination. 33.5% of the total data points were qualified estimated due to analysis from the incorrect VOCs sample container. Less than 1.0% of the total data points were qualified estimated due to VOCs MS/MSD criteria exceedances. Less than 1% of the total data points were qualified estimated due to SVOCs detected concentrations less than the CRQL. Less than 1% of the total data points were qualified estimated due to SVOCs blank contamination. Less than 1% of the total data points were qualified estimated due to SVOCs MS/MSD criteria exceedances

All of the samples were analyzed in accordance with technical specifications outlined in the SOW. The data, as qualified, are acceptable and can be used for all purposes.

Data Qualifiers		
	U	The analyte was not detected at or above the reported result.
	J	The analyte was positively identified. The associated numerical result is an estimate.
	UJ	The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the quantitation limit of the analyte in this sample.
	R	The data are unusable for all purposes.
	N	There is evidence the analyte is present in this sample.
	JN	There is evidence that the analyte is present. The associated numerical result is an estimate.
Bias Qualifiers	L	Low bias.
	H	High bias.
	Q	The result is estimated because the concentration is below the Contract Required Quantitation Limits (CRQLs).
	K	Unknown Bias

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

J64D3

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) WATER

Lab Sample ID: 050617-01

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: PF585

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: not dec.

Date Analyzed: 08/12/05

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-71-8	Dichlorodifluoromethane	10	U 7
74-87-3	Chloromethane	10	U 8
75-01-4	Vinyl Chloride	10	U 8
74-83-9	Bromomethane	10	U 7
75-00-3	Chloroethane	10	U 7
75-69-4	Trichlorodifluoromethane	10	U 7
75-35-4	1,1-Dichloroethene	10	U 8
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U 7
67-64-1	Acetone	8	JQ
75-15-0	Carbon Disulfide	10	U 8
79-20-9	Methyl Acetate	10	U 8
75-09-2	Methylene Chloride	10	8 U8
156-60-5	trans-1,2-Dichloroethene	10	U 8
1634-04-4	Methyl tert-Butyl Ether	10	U 8
75-34-3	1,1-Dichloroethane	10	U 7
156-59-2	cis-1,2-Dichloroethene	10	U 7
78-93-3	2-Butanone	10	U 7
67-66-3	Chloroform	10	U 7
71-55-6	1,1,1-Trichloroethane	10	U 7
110-82-7	Cyclohexane	10	U 8
56-23-5	Carbon Tetrachloride	10	U 8
71-43-2	Benzene	10	U 8
107-06-2	1,2-Dichloroethane	10	U 7

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1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64D3

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) WATER

Lab Sample ID: 050617-01

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: PF585

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: not dec.

Date Analyzed: 08/12/05

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

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1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

J64D3

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482 SAS No.: SDG No.: J64D3

Matrix: (soil/water) WATER Lab Sample ID: 050617-01

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: PF585

Level: (low/med) LOW Date Received: 08/08/05

% Moisture: not dec. Date Analyzed: 08/12/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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OLM04.3

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64D5

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-02

Sample wt/vol: 4.9 (g/mL) G

Lab File ID: OM063

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: not dec. 12

Date Analyzed: 08/12/05

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	12	UJK
75-71-8	Dichlorodifluoromethane	12	UJK
74-87-3	Chloromethane	12	UJK
75-01-4	Vinyl Chloride	12	UJK
74-83-9	Bromomethane	12	UJK
75-00-3	Chloroethane	12	UJK
75-69-4	Trichlorofluoromethane	12	UJK
75-35-4	1,1-Dichloroethene	12	UJK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	UJK
67-64-1	Acetone	12	UJK
75-15-0	Carbon Disulfide	12	UJK
79-20-9	Methyl Acetate	12	UJK
75-09-2	Methylene Chloride	28	DUJK
156-60-5	trans-1,2-Dichloroethene	12	UJK
1634-04-4	Methyl tert-Butyl Ether	12	UJK
75-34-3	1,1-Dichloroethane	12	UJK
156-59-2	cis-1,2-Dichloroethene	12	UJK
78-93-3	2-Butanone	12	UJK
67-66-3	Chloroform	12	UJK
71-55-6	1,1,1-Trichloroethane	12	UJK
110-82-7	Cyclohexane	12	UJK
56-23-5	Carbon Tetrachloride	12	UJK
71-43-2	Benzene	12	UJK
107-06-2	1,2-Dichloroethane	12	UJK

Bf
8/26/05

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64D5

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-02

Sample wt/vol: 4.9 (g/mL) G

Lab File ID: OM063

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: not dec. 12

Date Analyzed: 08/12/05

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

ICAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/KG	Q
79-01-6	Trichloroethene	12	UJK	
108-87-2	Methylcyclohexane	12	UJ	
78-87-5	1,2-Dichloropropane	12	UJ	
75-27-4	Bromodichloromethane	12	UJ	
10061-01-5	cis-1,3-Dichloropropene	12	UJ	
108-10-1	4-Methyl-2-Pentanone	12	UJ	
108-88-3	Toluene	12	UJ	
10061-02-6	trans-1,3-Dichloropropene	12	UJ	
79-00-5	1,1,2-Trichloroethane	12	UJ	
127-18-4	Tetrachloroethene	12	UJ	
591-78-6	2-Hexanone	12	UJ	
124-48-1	Dibromochloromethane	12	UJ	
106-93-4	1,2-Dibromoethane	12	UJ	
108-90-7	Chlorobenzene	12	UJ	
100-41-4	Ethylbenzene	12	UJ	
1330-20-7	Xylene (Total)	12	UJ	
100-42-5	Styrene	12	UJ	
75-25-2	Bromoform	12	UJ	
98-82-8	Isopropylbenzene	12	UJ	
79-34-5	1,1,2,2-Tetrachloroethane	12	UJ	
541-73-1	1,3-Dichlorobenzene	12	UJ	
106-46-7	1,4-Dichlorobenzene	12	UJ	
95-50-1	1,2-Dichlorobenzene	12	UJ	
96-12-8	1,2-Dibromo-3-chloropropane	12	UJ	
120-82-1	1,2,4-Trichlorobenzene	12	UJK	

79-01-6	Trichloroethene	12	UJK
108-87-2	Methylcyclohexane	12	UJ
78-87-5	1,2-Dichloropropane	12	UJ
75-27-4	Bromodichloromethane	12	UJ
10061-01-5	cis-1,3-Dichloropropene	12	UJ
108-10-1	4-Methyl-2-Pentanone	12	UJ
108-88-3	Toluene	12	UJ
10061-02-6	trans-1,3-Dichloropropene	12	UJ
79-00-5	1,1,2-Trichloroethane	12	UJ
127-18-4	Tetrachloroethene	12	UJ
591-78-6	2-Hexanone	12	UJ
124-48-1	Dibromochloromethane	12	UJ
106-93-4	1,2-Dibromoethane	12	UJ
108-90-7	Chlorobenzene	12	UJ
100-41-4	Ethylbenzene	12	UJ
1330-20-7	Xylene (Total)	12	UJ
100-42-5	Styrene	12	UJ
75-25-2	Bromoform	12	UJ
98-82-8	Isopropylbenzene	12	UJ
79-34-5	1,1,2,2-Tetrachloroethane	12	UJ
541-73-1	1,3-Dichlorobenzene	12	UJ
106-46-7	1,4-Dichlorobenzene	12	UJ
95-50-1	1,2-Dichlorobenzene	12	UJ
96-12-8	1,2-Dibromo-3-chloropropane	12	UJ
120-82-1	1,2,4-Trichlorobenzene	12	UJK

Bl
8/26/05

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO:

J64D5

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-02

Sample wt/vol: 4.9 (g/mL) G

Lab File ID: OM063

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: not dec. 12

Date Analyzed: 08/12/05

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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B8/20/05

FORM I VOA-TIC

OLM04.3

00 036

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64D6

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482 SAS No.:

SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-03

Sample wt/vol: 4.7 (g/mL) G

Lab File ID: OM064

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: not dec. 12

Date Analyzed: 08/12/05

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

75-71-8	Dichlorodifluoromethane	12	UJK
74-87-3	Chloromethane	12	UJ
75-01-4	Vinyl Chloride	12	UJ
74-83-9	Bromomethane	12	UJ
75-00-3	Chloroethane	12	UJ
75-69-4	Trichlorodifluoromethane	12	UJ
75-35-4	1,1-Dichloroethene	12	UJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	UJ
67-64-1	Acetone	12	UJ
75-15-0	Carbon Disulfide	12	UJ
79-20-9	Methyl Acetate	12	UJK
75-09-2	Methylene Chloride	22	BUJK
156-60-5	trans-1,2-Dichloroethene	12	UJK
1634-04-4	Methyl tert-Butyl Ether	12	UJ
75-34-3	1,1-Dichloroethane	12	UJ
156-59-2	cis-1,2-Dichloroethene	12	UJ
78-93-3	2-Butanone	12	UJ
67-66-3	Chloroform	12	UJ
71-55-6	1,1,1-Trichloroethane	12	UJ
110-82-7	Cyclohexane	12	UJ
56-23-5	Carbon Tetrachloride	12	UJ
71-43-2	Benzene	12	UJ
107-06-2	1,2-Dichloroethane	12	UJK

Bl 8/20/05

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64D6

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482

SAS No.:

SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-03

Sample wt/vol: 4.7 (g/mL) G

Lab File ID: OM064

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: not dec. 12

Date Analyzed: 08/12/05

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

79-01-6	Trichloroethene	12	UJK
108-87-2	Methylcyclohexane	12	UJ
78-87-5	1,2-Dichloropropane	12	UJ
75-27-4	Bromodichloromethane	12	UJ
10061-01-5	cis-1,3-Dichloropropene	12	UJ
108-10-1	4-Methyl-2-Pentanone	12	UJ
108-88-3	Toluene	12	UJ
10061-02-6	trans-1,3-Dichloropropene	12	UJ
79-00-5	1,1,2-Trichloroethane	12	UJ
127-18-4	Tetrachloroethene	12	UJ
591-78-6	2-Hexanone	12	UJ
124-48-1	Dibromochloromethane	12	UJ
106-93-4	1,2-Dibromoethane	12	UJ
108-90-7	Chlorobenzene	12	UJ
100-41-4	Ethylbenzene	12	UJ
1330-20-7	Xylene (Total)	12	UJ
100-42-5	Styrene	12	UJ
75-25-2	Bromoform	12	UJ
98-82-8	Isopropylbenzene	12	UJ
79-34-5	1,1,2,2-Tetrachloroethane	12	UJ
541-73-1	1,3-Dichlorobenzene	12	UJ
106-46-7	1,4-Dichlorobenzene	12	UJ
95-50-1	1,2-Dichlorobenzene	12	UJ
96-12-8	1,2-Dibromo-3-chloropropane	12	UJ
120-82-1	1,2,4-Trichlorobenzene	12	UJK

Bl
0/20/05

FORM I VOA-2

OLM04.3

6043

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

J64D6

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482 SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL Lab Sample ID: 050617-03

Sample wt/vol: 4.7 (g/mL) G Lab File ID: OM064

Level: (low/med) LOW Date Received: 08/08/05

% Moisture: not dec. 12 Date Analyzed: 08/12/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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FORM I VOA-TIC

OLM04.3

66 044

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

J64D7

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-04

Sample wt/vol: 5.3 (g/mL) G

Lab File ID: OM065

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: not dec. 72

Date Analyzed: 08/12/05

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

75-71-8	Dichlorodifluoromethane	34	UJK
74-87-3	Chloromethane	34	UJ
75-01-4	Vinyl Chloride	34	UJ
74-83-9	Bromomethane	34	UJ
75-00-3	Chloroethane	34	UJ
75-69-4	Trichlorodifluoromethane	34	UJ
75-35-4	1,1-Dichloroethene	34	UJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	34	UJ
67-64-1	Acetone	42	UJ
75-15-0	Carbon Disulfide	34	UJ
79-20-9	Methyl Acetate	34	UJ
75-09-2	Methylene Chloride	84	BJL
156-60-5	trans-1,2-Dichloroethene	34	UJK
1634-04-4	Methyl tert-Butyl Ether	34	UJ
75-34-3	1,1-Dichloroethane	34	UJ
156-59-2	cis-1,2-Dichloroethene	34	UJ
78-93-3	2-Butanone	34	UJ
67-66-3	Chloroform	34	UJ
71-55-6	1,1,1-Trichloroethane	34	UJ
110-82-7	Cyclohexane	34	UJ
56-23-5	Carbon Tetrachloride	34	UJ
71-43-2	Benzene	34	UJ
107-06-2	1,2-Dichloroethane	34	UJK

BL
8/26/05

U. 049

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

J64D7

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-04

Sample wt/vol: 5.3 (g/mL) G

Lab File ID: OM065

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: not dec. 72

Date Analyzed: 08/12/05

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	34	U JK
79-01-6	Trichloroethene	34	U JK
108-87-2	Methylcyclohexane	34	U J
78-87-5	1,2-Dichloropropane	34	U J
75-27-4	Bromodichloromethane	34	U J
10061-01-5	cis-1,3-Dichloropropene	34	U J
108-10-1	4-Methyl-2-Pentanone	34	U J
108-88-3	Toluene	34	U J
10061-02-6	trans-1,3-Dichloropropene	34	U J
79-00-5	1,1,2-Trichloroethane	34	U J
127-18-4	Tetrachloroethene	34	U J
591-78-6	2-Hexanone	34	U J
124-48-1	Dibromochloromethane	34	U J
106-93-4	1,2-Dibromoethane	34	U J
108-90-7	Chlorobenzene	34	U J
100-41-4	Ethylbenzene	34	U J
1330-20-7	Xylene (Total)	34	U J
100-42-5	Styrene	34	U J
75-25-2	Bromoform	34	U J
98-82-8	Isopropylbenzene	34	U J
79-34-5	1,1,2,2-Tetrachloroethane	34	U J
541-73-1	1,3-Dichlorobenzene	34	U J
106-46-7	1,4-Dichlorobenzene	34	U J
95-50-1	1,2-Dichlorobenzene	34	U J
96-12-8	1,2-Dibromo-3-chloropropane	34	U J
120-82-1	1,2,4-Trichlorobenzene	34	U JK

Bl
8/2/05

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

J64D7

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482 SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL Lab Sample ID: 050617-04

Sample wt/vol: 5.3 (g/mL) G Lab File ID: OM065

Level: (low/med) LOW Date Received: 08/08/05

% Moisture: not dec. 72 Date Analyzed: 08/12/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

BL 8/20/05

OLM04.3

00 051

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64D8

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-05

Sample wt/vol: 5.1(g/mL) G

Lab File ID: OM066

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: not dec. 34

Date Analyzed: 08/12/05

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO	COMPOUND			
75-71-8	Dichlorodifluoromethane	15	UJK	
74-87-3	Chloromethane	15	UJ	
75-01-4	Vinyl Chloride	15	UJ	
74-83-9	Bromomethane	15	UJ	
75-00-3	Chloroethane	15	UJ	
75-69-4	Trichlorofluoromethane	15	UJ	
75-35-4	1,1-Dichloroethene	15	UJ	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	15	UJ	
67-64-1	Acetone	21	UJ	
75-15-0	Carbon Disulfide	15	UJ	
79-20-9	Methyl Acetate	15	UJK	
75-09-2	Methylene Chloride	48	BUJK	
156-60-5	trans-1,2-Dichloroethene	15	UJK	
1634-04-4	Methyl tert-Butyl Ether	15	UJ	
75-34-3	1,1-Dichloroethane	15	UJ	
156-59-2	cis-1,2-Dichloroethene	15	UJ	
78-93-3	2-Butanone	15	UJ	
67-66-3	Chloroform	15	UJ	
71-55-6	1,1,1-Trichloroethane	15	UJ	
110-82-7	Cyclohexane	15	UJ	
56-23-5	Carbon Tetrachloride	15	UJ	
71-43-2	Benzene	15	UJ	
107-06-2	1,2-Dichloroethane	15	UJK	

BP
8/26/05

CC 057

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

J64D8

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-05

Sample wt/vol: 5.1(g/mL) G

Lab File ID: OM066

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: not dec. 34

Date Analyzed: 08/12/05

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	15	UJK
79-01-6	Trichloroethene	15	UJK
108-87-2	Methylcyclohexane	15	UJ
78-87-5	1,2-Dichloropropane	15	UJ
75-27-4	Bromodichloromethane	15	UJ
10061-01-5	cis-1,3-Dichloropropene	15	UJ
108-10-1	4-Methyl-2-Pentanone	15	UJ
108-88-3	Toluene	15	UJ
10061-02-6	trans-1,3-Dichloropropene	15	UJ
79-00-5	1,1,2-Trichloroethane	15	UJ
127-18-4	Tetrachloroethene	15	UJ
591-78-6	2-Hexanone	15	UJ
124-48-1	Dibromochloromethane	15	UJ
106-93-4	1,2-Dibromoethane	15	UJ
108-90-7	Chlorobenzene	15	UJ
100-41-4	Ethylbenzene	15	UJ
1330-20-7	Xylene (Total)	15	UJ
100-42-5	Styrene	15	UJ
75-25-2	Bromoform	15	UJ
98-82-8	Isopropylbenzene	15	UJ
79-34-5	1,1,2,2-Tetrachloroethane	15	UJ
541-73-1	1,3-Dichlorobenzene	15	UJ
106-46-7	1,4-Dichlorobenzene	15	UJ
95-50-1	1,2-Dichlorobenzene	15	UJ
96-12-8	1,2-Dibromo-3-chloropropane	15	UJ
120-82-1	1,2,4-Trichlorobenzene	15	UJK

BL
8/26/05

6058

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

J64D8

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482 SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL Lab Sample ID: 050617-05

Sample wt/vol: 5.1 (g/mL) G Lab File ID: OM066

Level: (low/med) LOW Date Received: 08/08/05

% Moisture: not dec. 34 Date Analyzed: 08/12/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
Number TICs found: 27 (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	BRANCHED ALKENE	15.13	11	J
2. 79-92-5	CAMPHENENE	15.68	30	NJ
3. 4057-42-5	2-OCTENE, 2,6-DIMETHYL-	15.78	59	NJ
4.	UNKNOWN KETONE	16.01	12	J
5.	BRANCHED ALKENE	16.11	37	J
6.	BRANCHED ALKENE	16.34	60	J
7.	UNKNOWN ALCOHOL	16.55	25	J
8.	BRANCHED ALKENE	16.69	24	J
9.	UNKNOWN	16.80	74	J
10.	CYCLIC ALKENE	16.87	25	J
11.	UNKNOWN	16.97	21	J
12.	UNKNOWN	17.09	16	J
13. 99-87-6	BENZENE, 1-METHYL-4-(1-METHY	17.32	26	NJ
14.	UNKNOWN	17.37	22	J
15.	DECAHYDRONAPHTHALENE ISOMER	17.80	110	J
16.	UNKNOWN	18.22	37	J
17.	UNKNOWN	18.47	32	J
18. 1000152-47-3	TRANS-DECALIN, 2-METHYL-	18.74	140	NJ
19. 2958-75-0	1-METHYLDECAHYDRONAPHTHALENE	19.02	350	NJ
20.	DECAHYDRONAPHTHALENE ISOMER	19.58	160	J
21.	DECAHYDRONAPHTHALENE ISOMER	19.79	210	J
22.	UNKNOWN	19.84	220	J
23.	UNKNOWN	20.24	160	J
24.	CYCLIC ALKENE	20.97	180	J
25.	BRANCHED ALKENE	21.07	400	J
26. 24949-42-6	6-TRIDECENE, 7-METHYL-	21.19	110	NJ
27. 80655-44-3	DECAHYDRO-4,4,8,9,10-PENTAME	23.12	47	NJ
28.				
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30.				

FORM I VOA-TIC

OLM04.3

BP 8/26/05

CC 059

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64D9

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-06

Sample wt/vol: 4.8 (g/mL) G

Lab File ID: OM067

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: not dec. 29

Date Analyzed: 08/12/05

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND			
75-71-8	Dichlorodifluoromethane	15	UJK	
74-87-3	Chloromethane	15	UJ	
75-01-4	Vinyl Chloride	15	UJ	
74-83-9	Bromomethane	15	UJ	
75-00-3	Chloroethane	15	UJ	
75-69-4	Trichlorodifluoromethane	15	UJ	
75-35-4	1,1-Dichloroethene	15	UJ	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	15	UJ	
67-64-1	Acetone	15	UJ	
75-15-0	Carbon Disulfide	15	UJ	
79-20-9	Methyl Acetate	15	UJK	
75-09-2	Methylene Chloride	34	DUJK	
156-60-5	trans-1,2-Dichloroethene	15	UJK	
1634-04-4	Methyl tert-Butyl Ether	15	UJ	
75-34-3	1,1-Dichloroethane	15	UJ	
156-59-2	cis-1,2-Dichloroethene	15	UJ	
78-93-3	2-Butanone	15	UJ	
67-66-3	Chloroform	15	UJ	
71-55-6	1,1,1-Trichloroethane	15	UJ	
110-82-7	Cyclohexane	15	UJ	
56-23-5	Carbon Tetrachloride	15	UJ	
71-43-2	Benzene	15	UJ	
107-06-2	1,2-Dichloroethane	15	UJK	

Bl
8/20/05

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64D9

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-06

Sample wt/vol: 4.8 (g/mL) G

Lab File ID: OM067

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: not dec. 29

Date Analyzed: 08/12/05

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

79-01-6	Trichloroethene	15	UJK
108-87-2	Methylcyclohexane	15	UJ
78-87-5	1,2-Dichloropropane	15	UJ
75-27-4	Bromodichloromethane	15	UJ
10061-01-5	cis-1,3-Dichloropropene	15	UJ
108-10-1	4-Methyl-2-Pentanone	15	UJ
108-88-3	Toluene	15	UJ
10061-02-6	trans-1,3-Dichloropropene	15	UJ
79-00-5	1,1,2-Trichloroethane	15	UJ
127-18-4	Tetrachloroethene	15	UJ
591-78-6	2-Hexanone	15	UJ
124-48-1	Dibromochloromethane	15	UJ
106-93-4	1,2-Dibromoethane	15	UJ
108-90-7	Chlorobenzene	15	UJ
100-41-4	Ethylbenzene	15	UJ
1330-20-7	Xylene (Total)	15	UJ
100-42-5	Styrene	15	UJ
75-25-2	Bromoform	15	UJ
98-82-8	Isopropylbenzene	15	UJ
79-34-5	1,1,2,2-Tetrachloroethane	15	UJ
541-73-1	1,3-Dichlorobenzene	15	UJ
106-46-7	1,4-Dichlorobenzene	15	UJ
95-50-1	1,2-Dichlorobenzene	15	UJ
96-12-8	1,2-Dibromo-3-chloropropane	15	UJ
120-82-1	1,2,4-Trichlorobenzene	15	UJK

B8/20/05

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO:

J64D9

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482 SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL Lab Sample ID: 050617-06

Sample wt/vol: 4.8 (g/mL) G Lab File ID: OM067

Level: (low/med) LOW Date Received: 08/08/05

% Moisture: not dec. 29 Date Analyzed: 08/12/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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FORM I VOA-TIC

BL 8/20/05

OLM04.3

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64E0

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-07

Sample wt/vol: 4.7 (g/mL) G

Lab File ID: OM068

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: not dec. 85

Date Analyzed: 08/12/05

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

75-71-8	Dichlorodifluoromethane	71	UJK
74-87-3	Chloromethane	71	UJ
75-01-4	Vinyl Chloride	71	UJ
74-83-9	Bromomethane	71	UJ
75-00-3	Chloroethane	71	UJ
75-69-4	Trichlorodifluoromethane	71	UJ
75-35-4	1,1-Dichloroethene	71	UJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	71	UJK
67-64-1	Acetone	1100	JL
75-15-0	Carbon Disulfide	71	UJK
79-20-9	Methyl Acetate	71	UJK
75-09-2	Methylene Chloride	150	P JL
156-60-5	trans-1,2-Dichloroethene	71	UJK
1634-04-4	Methyl tert-Butyl Ether	71	UJ
75-34-3	1,1-Dichloroethane	71	UJ
156-59-2	cis-1,2-Dichloroethene	71	UJ
78-93-3	2-Butanone	58	JQ
67-66-3	Chloroform	71	UJK
71-55-6	1,1,1-Trichloroethane	71	UJ
110-82-7	Cyclohexane	71	UJ
56-23-5	Carbon Tetrachloride	71	UJ
71-43-2	Benzene	71	UJ
107-06-2	1,2-Dichloroethane	71	UJK

Bf 8/26/05

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

J64E0

Lab Code: CEIMIC Case No.: 34482

SAS No.:

SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-07

Sample wt/vol: 4.7 (g/mL) G

Lab File ID: OM068

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: not dec. 85

Date Analyzed: 08/12/05

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

79-01-6	Trichloroethene	71	UJK
108-87-2	Methylcyclohexane	71	UJ
78-87-5	1,2-Dichloropropane	71	UJ
75-27-4	Bromodichloromethane	71	UJ
10061-01-5	cis-1,3-Dichloropropene	71	UJ
108-10-1	4-Methyl-2-Pentanone	71	UJ
108-88-3	Toluene	71	UJ
10061-02-6	trans-1,3-Dichloropropene	71	UJ
79-00-5	1,1,2-Trichloroethane	71	UJ
127-18-4	Tetrachloroethene	71	UJ
591-78-6	2-Hexanone	71	UJ
124-48-1	Dibromochloromethane	71	UJ
106-93-4	1,2-Dibromoethane	71	UJ
108-90-7	Chlorobenzene	71	UJ
100-41-4	Ethylbenzene	71	UJ
1330-20-7	Xylene (Total)	71	UJK
100-42-5	Styrene	21	JQ
75-25-2	Bromoform	71	UJK
98-82-8	Isopropylbenzene	71	UJ
79-34-5	1,1,2,2-Tetrachloroethane	71	UJ
541-73-1	1,3-Dichlorobenzene	71	UJ
106-46-7	1,4-Dichlorobenzene	71	UJ
95-50-1	1,2-Dichlorobenzene	71	UJ
96-12-8	1,2-Dibromo-3-chloropropane	71	UJV
120-82-1	1,2,4-Trichlorobenzene	71	UJK

BL
8/26/05

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

J64E0

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482 SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL Lab Sample ID: 050617-07

Sample wt/vol: 4.7 (g/mL) G Lab File ID: OM068

Level: (low/med) LOW Date Received: 08/08/05

% Moisture: not dec. 85 Date Analyzed: 08/12/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALCOHOL	2.70	420	J
2.	UNKNOWN	3.38	48	J
3.				
4.				
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FORM I VOA-TIC

OLM04.3

B81205

120

1C
SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64D5

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-02

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: JO532

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: 11 Decanted: (Y/N) N

Date Extracted: 08/09/05

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 08/15/05

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.3

Extraction: (Type) SONC

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

100-52-7	Benzaldehyde	370	U
108-95-2	Phenol	370	U
111-44-4	bis (2-Chloroethyl) Ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
98-86-2	Acetophenone	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	930	U
92-52-4	1,1'-Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	930	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	370	U
99-09-2	3-Nitroaniline	930	U
83-32-9	Acenaphthene	370	U

BS/29/05

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64D5

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-02

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: JO532

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: 11 Decanted: (Y/N) N

Date Extracted: 08/09/05

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 08/15/05

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.3

Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
51-28-5	2,4-Dinitrophenol	930	U
100-02-7	4-Nitrophenol	930	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
86-73-7	Fluorene	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
100-01-6	4-Nitroaniline	930	U
534-52-1	4,6-Dinitro-2-methylphenol	930	U
86-30-6	N-nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	Di-n-butylphthalate	70	JQ
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	560	Bu
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) - Cannot be separated from Diphenylamine

Blg/29/05

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

J64D5

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482 SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL Lab Sample ID: 050617-02

Sample wt/vol: 30.2 (g/mL) G Lab File ID: JO532

Level: (low/med) LOW Date Received: 08/08/05

% Moisture: 11 Decanted: (Y/N) N Date Extracted: 08/09/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/15/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y Extraction: (Type) SONC

Number TICs found: 12 CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.30	260	J
2. 112-34-5	ETHANOL, 2-(2-BUTOXYETHOXY)-	7.55	120	NJB
3.	UNKNOWN	12.96	140	J
4.	UNKNOWN	13.70	110	J
5.	UNKNOWN	13.74	150	J
6.	UNKNOWN	13.85	670	J
7.	UNKNOWN	14.68	530	J
8.	UNKNOWN	14.90	300	J
9.	UNKNOWN AMIDE	15.55	840	J
10.	UNKNOWN	15.69	85	J
11.	UNKNOWN	15.79	89	J
12.	UNKNOWN	16.04	120	J
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FORM I SV-TIC

BL 8/29/05 OLM04.3

00 259

1C
SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64D6

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-03

Sample wt/vol: 30.1(g/mL) G

Lab File ID: JO533

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: 14 Decanted: (Y/N) N

Date Extracted: 08/09/05

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 08/15/05

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0

Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	380	U
100-52-7	Benzaldehyde	380	U
108-95-2	Phenol	380	U
111-44-4	bis (2-Chloroethyl) Ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
98-86-2	Acetophenone	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis (2-Chloroethoxy) methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	380	U
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	960	U
92-52-4	1,1'-Biphenyl	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
208-96-8	Acenaphthylene	380	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	380	U

Bl
8/29/05

1D
SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64D6

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-03

Sample wt/vol: 30.1(g/mL) G

Lab File ID: JO533

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: 14 Decanted: (Y/N) N

Date Extracted: 08/09/05

Concentrated Extract Volume: 500(uL)

Date Analyzed: 08/15/05

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0

Extraction: (Type) SONC

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

51-28-5	2,4-Dinitrophenol	960	U
100-02-7	4-Nitrophenol	960	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	N-nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
1912-24-9	Atrazine	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	66	JQ
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	380	190 JB
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) - Cannot be separated from Diphenylamine

bl
8/29/05

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

J64D6

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482 SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL Lab Sample ID: 050617-03

Sample wt/vol: 30.1 (g/mL) G Lab File ID: JO533

Level: (low/med) LOW Date Received: 08/08/05

% Moisture: 14 Decanted: (Y/N) N Date Extracted: 08/09/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/15/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y Extraction: (Type) SONC

Number TICs found: 2 CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.30	200	J
2.	UNKNOWN	15.51	160	J
3.				
4.				
5.				
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FORM I SV-TIC

Blg 8/29/05
OLM04.3

1C
SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64D7

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-04

Sample wt/vol: 30.1(g/mL) G

Lab File ID: JO544

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: 64 Decanted: (Y/N) Y

Date Extracted: 08/09/05

Concentrated Extract Volume: 500(uL)

Date Analyzed: 08/15/05

Injection Volume: 2.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.2

Extraction: (Type) SONC

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

100-52-7	Benzaldehyde	9100	U
108-95-2	Phenol	9100	U
111-44-4	bis(2-Chloroethyl) Ether	9100	U
95-57-8	2-Chlorophenol	9100	U
95-48-7	2-Methylphenol	9100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	9100	U
98-86-2	Acetophenone	9100	U
106-44-5	4-Methylphenol	9100	U
621-64-7	N-Nitroso-di-n-propylamine	9100	U
67-72-1	Hexachloroethane	9100	U
98-95-3	Nitrobenzene	9100	U
78-59-1	Isophorone	9100	U
88-75-5	2-Nitrophenol	9100	U
105-67-9	2,4-Dimethylphenol	9100	U
111-91-1	bis(2-Chloroethoxy)methane	9100	U
120-83-2	2,4-Dichlorophenol	9100	U
91-20-3	Naphthalene	9100	U
106-47-8	4-Chloroaniline	9100	U
87-68-3	Hexachlorobutadiene	9100	U
105-60-2	Caprolactam	9100	U
59-50-7	4-Chloro-3-Methylphenol	9100	U
91-57-6	2-Methylnaphthalene	9100	U
77-47-4	Hexachlorocyclopentadiene	9100	U
88-06-2	2,4,6-Trichlorophenol	9100	U
95-95-4	2,4,5-Trichlorophenol	23000	U
92-52-4	1,1'-Biphenyl	9100	U
91-58-7	2-Chloronaphthalene	9100	U
88-74-4	2-Nitroaniline	23000	U
131-11-3	Dimethylphthalate	9100	U
606-20-2	2,6-Dinitrotoluene	9100	U
208-96-8	Acenaphthylene	9100	U
99-09-2	3-Nitroaniline	23000	U
83-32-9	Acenaphthene	9100	U

BL
8/20/05

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64D7

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-04

Sample wt/vol: 30.1(g/mL) G

Lab File ID: JO544

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: 64 Decanted: (Y/N) Y

Date Extracted: 08/09/05

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 08/15/05

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 6.2

Extraction: (Type) SONC

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

51-28-5	2,4-Dinitrophenol	23000	U
100-02-7	4-Nitrophenol	23000	U
132-64-9	Dibenzofuran	9100	U
121-14-2	2,4-Dinitrotoluene	9100	U
84-66-2	Diethylphthalate	9100	U
86-73-7	Fluorene	9100	U
7005-72-3	4-Chlorophenyl-phenylether	9100	U
100-01-6	4-Nitroaniline	23000	U
534-52-1	4,6-Dinitro-2-methylphenol	23000	U
86-30-6	N-nitrosodiphenylamine (1)	9100	U
101-55-3	4-Bromophenyl-phenylether	9100	U
118-74-1	Hexachlorobenzene	9100	U
1912-24-9	Atrazine	9100	U
87-86-5	Pentachlorophenol	23000	U
85-01-8	Phenanthrene	9100	U
120-12-7	Anthracene	9100	U
86-74-8	Carbazole	9100	U
84-74-2	Di-n-butylphthalate	9100	U
206-44-0	Fluoranthene	9100	U
129-00-0	Pyrene	9100	U
85-68-7	Butylbenzylphthalate	9100	U
91-94-1	3,3'-Dichlorobenzidine	9100	U
56-55-3	Benzo(a)anthracene	9100	U
218-01-9	Chrysene	9100	U
117-81-7	bis(2-Ethylhexyl)phthalate	9100	2600 BU
117-84-0	Di-n-octylphthalate	9100	U
205-99-2	Benzo(b)fluoranthene	9100	U
207-08-9	Benzo(k)fluoranthene	9100	U
50-32-8	Benzo(a)pyrene	9100	U
193-39-5	Indeno(1,2,3-cd)pyrene	9100	U
53-70-3	Dibenzo(a,h)anthracene	9100	U
191-24-2	Benzo(g,h,i)perylene	9100	U

(1) - Cannot be separated from Diphenylamine

Bl
8/29/05

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

J64D7

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482 SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL Lab Sample ID: 050617-04

Sample wt/vol: 30.1 (g/mL) G Lab File ID: J0544

Level: (low/med) LOW Date Received: 08/08/05

% Moisture: 64 Decanted: (Y/N) Y Date Extracted: 08/09/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/15/05

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y Extraction: (Type) SONC

Number TICs found: 3 CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.96	5700	J
2.	UNKNOWN ALCOHOL/ALKENE	11.35	7900	J
3.	UNKNOWN	19.13	4900	J
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FORM I SV-TIC

Bl 8/29/05
OLM04.3

00 307

1C
SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64D8

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-05

Sample wt/vol: 1.3 (g/mL) G

Lab File ID: Q3657

Level: (low/med) MED

Date Received: 08/08/05

% Moisture: 41 Decanted: (Y/N) Y

Date Extracted: 08/15/05

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 08/17/05

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 6.4

Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
100-52-7	Benzaldehyde	65000	U
108-95-2	Phenol	65000	U
111-44-4	bis(2-Chloroethyl) Ether	65000	U
95-57-8	2-Chlorophenol	65000	U
95-48-7	2-Methylphenol	65000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	65000	U
98-86-2	Acetophenone	65000	U
106-44-5	4-Methylphenol	65000	U
621-64-7	N-Nitroso-di-n-propylamine	65000	UJK
67-72-1	Hexachloroethane	65000	U
98-95-3	Nitrobenzene	65000	U
78-59-1	Isophorone	65000	U
88-75-5	2-Nitrophenol	65000	U
105-67-9	2,4-Dimethylphenol	65000	U
111-91-1	bis(2-Chloroethoxy)methane	65000	U
120-83-2	2,4-Dichlorophenol	65000	U
91-20-3	Naphthalene	65000	U
106-47-8	4-Chloroaniline	65000	U
87-68-3	Hexachlorobutadiene	65000	U
105-60-2	Caprolactam	65000	U
59-50-7	4-Chloro-3-Methylphenol	65000	U
91-57-6	2-Methylnaphthalene	65000	U
77-47-4	Hexachlorocyclopentadiene	65000	U
88-06-2	2,4,6-Trichlorophenol	65000	U
95-95-4	2,4,5-Trichlorophenol	160000	U
92-52-4	1,1'-Biphenyl	65000	U
91-58-7	2-Chloronaphthalene	65000	U
88-74-4	2-Nitroaniline	160000	U
131-11-3	Dimethylphthalate	65000	U
606-20-2	2,6-Dinitrotoluene	65000	U
208-96-8	Acenaphthylene	65000	U
99-09-2	3-Nitroaniline	160000	U
83-32-9	Acenaphthene	65000	U

Bl 6/29/05

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

J64D8

Lab Code: CEIMIC Case No.: 34482

SAS No.:

SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-05

Sample wt/vol: 1.3 (g/mL) G

Lab File ID: Q3657

Level: (low/med) MED

Date Received: 08/08/05

% Moisture: 41 Decanted: (Y/N) Y

Date Extracted: 08/15/05

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 08/17/05

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 6.4

Extraction: (Type) SONC

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

51-28-5	2,4-Dinitrophenol	160000	U
100-02-7	4-Nitrophenol	160000	U
132-64-9	Dibenzofuran	65000	U
121-14-2	2,4-Dinitrotoluene	65000	U
84-66-2	Diethylphthalate	65000	U
86-73-7	Fluorene	65000	U
7005-72-3	4-Chlorophenyl-phenylether	65000	U
100-01-6	4-Nitroaniline	160000	U
534-52-1	4,6-Dinitro-2-methylphenol	160000	U
86-30-6	N-nitrosodiphenylamine (1)	65000	U
101-55-3	4-Bromophenyl-phenylether	65000	U
118-74-1	Hexachlorobenzene	65000	U
1912-24-9	Atrazine	65000	U
87-86-5	Pentachlorophenol	160000	U
85-01-8	Phenanthrene	65000	U
120-12-7	Anthracene	65000	U
86-74-8	Carbazole	65000	U
84-74-2	Di-n-butylphthalate	65000	U
206-44-0	Fluoranthene	65000	U
129-00-0	Pyrene	65000	U
85-68-7	Butylbenzylphthalate	65000	U
91-94-1	3,3'-Dichlorobenzidine	65000	U
56-55-3	Benzo(a)anthracene	65000	U
218-01-9	Chrysene	65000	U
117-81-7	bis(2-Ethylhexyl)phthalate	65000	180000 <i>JBu</i>
117-84-0	Di-n-octylphthalate	65000	U
205-99-2	Benzo(b)fluoranthene	65000	U
207-08-9	Benzo(k)fluoranthene	65000	U
50-32-8	Benzo(a)pyrene	65000	U
193-39-5	Indeno(1,2,3-cd)pyrene	65000	U
53-70-3	Dibenzo(a,h)anthracene	65000	U
191-24-2	Benzo(g,h,i)perylene	65000	U

(1) - Cannot be separated from Diphenylamine

Bf 8/29/05

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

J64D8

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 34482

SAS No.:

SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-05

Sample wt/vol: 1.3 (g/mL) G

Lab File ID: Q3657

Level: (low/med) MED

Date Received: 08/08/05

% Moisture: 41 Decanted: (Y/N) Y

Date Extracted: 08/15/05

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 08/17/05

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 6.4

Extraction: (Type) SONC

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.05	13000	J
2.	UNKNOWN	5.77	34000	J
3.	UNKNOWN	5.86	25000	J
4.	UNKNOWN	6.08	14000	J
5.	UNKNOWN	6.33	25000	J
6.	UNKNOWN	7.47	30000	J
7.	UNKNOWN	8.25	16000	J
8. 68-26-8	RETINOL	8.70	25000	NJ
9.				
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FORM I SV-TIC

Bl 8/29/05
OLM04.3

66 341

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

J64D9

Lab Code: CEIMIC Case No.: 34482 SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL Lab Sample ID: 050617-06

Sample wt/vol: 30.3 (g/mL) G Lab File ID: J0534

Level: (low/med) LOW Date Received: 08/08/05

% Moisture: 29 Decanted: (Y/N) Y Date Extracted: 08/09/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/15/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5 Extraction: (Type) SONC

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

100-52-7	Benzaldehyde	460	U
108-95-2	Phenol	460	U
111-44-4	bis(2-Chloroethyl) Ether	460	U
95-57-8	2-Chlorophenol	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460	U
98-86-2	Acetophenone	460	U
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-di-n-propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
111-91-1	bis(2-Chloroethoxy)methane	460	U
120-83-2	2,4-Dichlorophenol	460	U
91-20-3	Naphthalene	460	U
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
105-60-2	Caprolactam	460	U
59-50-7	4-Chloro-3-Methylphenol	460	U
91-57-6	2-Methylnaphthalene	460	U
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	460	U
95-95-4	2,4,5-Trichlorophenol	1200	U
92-52-4	1,1'-Biphenyl	460	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	460	U
606-20-2	2,6-Dinitrotoluene	460	U
208-96-8	Acenaphthylene	460	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	460	U

Blg 129b5

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64D9

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-06

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: JO534

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: 29 Decanted: (Y/N) Y

Date Extracted: 08/09/05

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 08/15/05

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	460	U
121-14-2	2,4-Dinitrotoluene	460	U
84-66-2	Diethylphthalate	460	U
86-73-7	Fluorene	460	U
7005-72-3	4-Chlorophenyl-phenylether	460	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-nitrosodiphenylamine (1)	460	U
101-55-3	4-Bromophenyl-phenylether	460	U
118-74-1	Hexachlorobenzene	460	U
1912-24-9	Atrazine	460	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	460	U
120-12-7	Anthracene	460	U
86-74-8	Carbazole	460	U
84-74-2	Di-n-butylphthalate	79	JQ
206-44-0	Fluoranthene	460	U
129-00-0	Pyrene	460	U
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	460	U
56-55-3	Benzo(a)anthracene	460	U
218-01-9	Chrysene	460	U
117-81-7	bis(2-Ethylhexyl)phthalate	630	Bu
117-84-0	Di-n-octylphthalate	460	U
205-99-2	Benzo(b)fluoranthene	460	U
207-08-9	Benzo(k)fluoranthene	460	U
50-32-8	Benzo(a)pyrene	460	U
193-39-5	Indeno(1,2,3-cd)pyrene	460	U
53-70-3	Dibenzo(a,h)anthracene	460	U
191-24-2	Benzo(g,h,i)perylene	460	U

(1) - Cannot be separated from Diphenylamine

Blg/2105

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

J64D9

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482 SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL Lab Sample ID: 050617-06

Sample wt/vol: 30.3 (g/mL) G Lab File ID: JO534

Level: (low/med) LOW Date Received: 08/08/05

% Moisture: 29 Decanted: (Y/N) Y Date Extracted: 08/09/05

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/15/05

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y Extraction: (Type) SONC

Number TICs found: 8 CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.30	320	J
2. 112-34-5	ETHANOL, 2-(2-BUTOXYETHOXY)	7.55	120	NJB
3.	UNKNOWN	12.91	180	J
4.	UNKNOWN	13.67	230	J
5.	UNKNOWN AMIDE	13.72	160	J
6.	UNKNOWN	13.83	690	J
7.	UNKNOWN	14.68	550	J
8.	UNKNOWN AMIDE	15.52	240	J
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FORM I SV-TIC

10 8/29/05
OLM04.3

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64E0

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 34482

SAS No.:

SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-07

Sample wt/vol: 30.1(g/mL) G

Lab File ID: Q3656

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: 83 Decanted: (Y/N) N

Date Extracted: 08/12/05

Concentrated Extract Volume: 500(uL)

Date Analyzed: 08/17/05

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5

Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	1900	U
100-52-7	Benzaldehyde	1900	U
108-95-2	Phenol	1900	U
111-44-4	bis(2-Chloroethyl) Ether	1900	U
95-57-8	2-Chlorophenol	1900	U
95-48-7	2-Methylphenol	1900	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1900	U
98-86-2	Acetophenone	1900	U
106-44-5	4-Methylphenol	1900	U
621-64-7	N-Nitroso-di-n-propylamine	1900	U
67-72-1	Hexachloroethane	1900	U
98-95-3	Nitrobenzene	1900	U
78-59-1	Isophorone	1900	U
88-75-5	2-Nitrophenol	1900	U
105-67-9	2,4-Dimethylphenol	1900	U
111-91-1	bis(2-Chloroethoxy)methane	1900	U
120-83-2	2,4-Dichlorophenol	1900	U
91-20-3	Naphthalene	1900	U
106-47-8	4-Chloroaniline	1900	U
87-68-3	Hexachlorobutadiene	1900	U
105-60-2	Caprolactam	1900	U
59-50-7	4-Chloro-3-Methylphenol	1900	U
91-57-6	2-Methylnaphthalene	1900	U
77-47-4	Hexachlorocyclopentadiene	1900	U
88-06-2	2,4,6-Trichlorophenol	1900	U
95-95-4	2,4,5-Trichlorophenol	4900	U
92-52-4	1,1'-Biphenyl	1900	U
91-58-7	2-Chloronaphthalene	1900	U
88-74-4	2-Nitroaniline	4900	U
131-11-3	Dimethylphthalate	1900	U
606-20-2	2,6-Dinitrotoluene	1900	U
208-96-8	Acenaphthylene	1900	U
99-09-2	3-Nitroaniline	4900	U
83-32-9	Acenaphthene	1900	U

Bl 3/29/05

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64E0

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482 SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL Lab Sample ID: 050617-07

Sample wt/vol: 30.1(g/mL) G Lab File ID: Q3656

Level: (low/med) LOW Date Received: 08/08/05

% Moisture: 83 Decanted: (Y/N) N Date Extracted: 08/12/05

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/05

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5 Extraction: (Type) SONC

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
51-28-5	2,4-Dinitrophenol	4900	U
100-02-7	4-Nitrophenol	4900	U
132-64-9	Dibenzofuran	1900	U
121-14-2	2,4-Dinitrotoluene	1900	U
84-66-2	Diethylphthalate	1900	U
86-73-7	Fluorene	1900	U
7005-72-3	4-Chlorophenyl-phenylether	1900	U
100-01-6	4-Nitroaniline	4900	U
534-52-1	4,6-Dinitro-2-methylphenol	4900	U
86-30-6	N-nitrosodiphenylamine (1)	1900	U
101-55-3	4-Bromophenyl-phenylether	1900	U
118-74-1	Hexachlorobenzene	1900	U
1912-24-9	Atrazine	1900	U
87-86-5	Pentachlorophenol	4900	U
85-01-8	Phenanthrene	1900	U
120-12-7	Anthracene	1900	U
86-74-8	Carbazole	1900	U
84-74-2	Di-n-butylphthalate	1900	U
206-44-0	Fluoranthene	1900	U
129-00-0	Pyrene	1900	U
85-68-7	Butylbenzylphthalate	1900	U
91-94-1	3,3'-Dichlorobenzidine	1900	U
56-55-3	Benzo(a)anthracene	1900	U
218-01-9	Chrysene	1900	U
117-81-7	bis(2-Ethylhexyl)phthalate	1000	JQ
117-84-0	Di-n-octylphthalate	1900	U
205-99-2	Benzo(b)fluoranthene	1900	U
207-08-9	Benzo(k)fluoranthene	1900	U
50-32-8	Benzo(a)pyrene	1900	U
193-39-5	Indeno(1,2,3-cd)pyrene	1900	U
53-70-3	Dibenzo(a,h)anthracene	1900	U
191-24-2	Benzo(g,h,i)perylene	1900	U

(1) - Cannot be separated from Diphenylamine

JL
8/29/05

1G
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

J64E0

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC

Case No.: 34482

SAS No.:

SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-07

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: Q3656

Level: (low/med) LOW

Date Received: 08/08/05

% Moisture: 83 Decanted: (Y/N) N

Date Extracted: 08/12/05

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 08/17/05

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5

Extraction: (Type) SONC

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 65-85-0	BENZOIC ACID	5.08	3400	NJ
2. 57-10-3	HEXADECANOIC ACID	9.07	3200	NJ
3. 112-80-1	OLEIC ACID	9.69	12000	NJ
4.	UNKNOWN ALCOHOL/ALKENE	10.81	3400	J
5.	UNKNOWN	11.17	5200	J
6. 56554-89-3	14-OCTADECENAL	11.23	3200	NJ
7. 1599-67-3	1-DOCOSENE	11.41	9000	NJ
8. 7390-81-0	OXIRANE, HEXADECYL-	11.82	7200	NJ
9.	UNKNOWN	12.02	3800	J
10. 56554-87-1	16-OCTADECENAL	12.54	7400	NJ
11.	UNKNOWN ALCOHOL/ALKENE	12.79	6600	J
12.	UNKNOWN	12.94	14000	J
13. 17472-78-5	ERGOSTA-5,22-DIEN-3-OL, (3.B)	13.38	5400	NJ
14.	UNKNOWN	13.47	5800	J
15.	UNKNOWN	13.88	8900	J
16.	UNKNOWN	13.99	5600	J
17. 83-47-6	.GAMMA.-SITOSTEROL	14.24	28000	NJ
18.	UNKNOWN	14.46	6800	J
19.	UNKNOWN	14.67	20000	J
20.	UNKNOWN	14.81	5700	J
21. 638-95-9	.ALPHA.-AMYRIN	15.05	23000	NJ
22. 2435-85-0	PYRENE, HEXADECAHYDRO-	15.24	30000	NJ
23.	UNKNOWN	15.35	19000	J
24.	UNKNOWN	15.65	58000	J
25.	UNKNOWN STEROL	15.77	89000	J
26.	UNKNOWN	15.90	35000	J
27.	UNKNOWN	16.02	38000	J
28.	UNKNOWN	16.19	59000	J
29.	UNKNOWN	16.35	97000	J
30.	UNKNOWN	16.81	80000	J

FORM I SV-TIC

OLM04.3

Bl 8/29/05

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1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64D5

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-02

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 11 Decanted: (Y/N) N

Date Received: 08/08/05

Extraction: (Type) SONC

Date Extracted: 08/09/05

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 08/16/05

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.3

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	3.7	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	75	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

Bl
8/29/05

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64D6

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-03

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: _____

% Moisture: 14 Decanted: (Y/N) N

Date Received: 08/08/05

Extraction: (Type) SONC

Date Extracted: 08/09/05

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 08/16/05

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND			
319-84-6	alpha-BHC	2.0	U	
319-85-7	beta-BHC	2.0	U	
319-86-8	delta-BHC	2.0	U	
58-89-9	gamma-BHC (Lindane)	2.0	U	
76-44-8	Heptachlor	2.0	U	
309-00-2	Aldrin	2.0	U	
1024-57-3	Heptachlor epoxide	2.0	U	
959-98-8	Endosulfan I	2.0	U	
60-57-1	Dieldrin	3.8	U	
72-55-9	4,4'-DDE	3.8	U	
72-20-8	Endrin	3.8	U	
33213-65-9	Endosulfan II	3.8	U	
72-54-8	4,4'-DDD	3.8	U	
1031-07-8	Endosulfan sulfate	3.8	U	
50-29-3	4,4'-DDT	3.8	U	
72-43-5	Methoxychlor	20	U	
53494-70-5	Endrin ketone	3.8	U	
7421-93-4	Endrin aldehyde	3.8	U	
5103-71-9	alpha-Chlordane	2.0	U	
5103-74-2	gamma-Chlordane	2.0	U	
8001-35-2	Toxaphene	200	U	
12674-11-2	Aroclor-1016	38	U	
11104-28-2	Aroclor-1221	78	U	
11141-16-5	Aroclor-1232	38	U	
53469-21-9	Aroclor-1242	38	U	
12672-29-6	Aroclor-1248	38	U	
11097-69-1	Aroclor-1254	38	U	
11096-82-5	Aroclor-1260	38	U	

BP
8/29/05

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64D7

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482 SAS No.:

SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-04

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: _____

% Moisture: 64 Decanted: (Y/N) Y

Date Received: 08/08/05

Extraction: (Type) SONC

Date Extracted: 08/17/05

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 08/19/05

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.2

Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

319-84-6	alpha-BHC	4.7	U
319-85-7	beta-BHC	4.7	U
319-86-8	delta-BHC	4.7	U
58-89-9	gamma-BHC (Lindane)	4.7	U
76-44-8	Heptachlor	4.7	U
309-00-2	Aldrin	4.7	U
1024-57-3	Heptachlor epoxide	4.7	U
959-98-8	Endosulfan I	4.7	U
60-57-1	Dieldrin	9.2	U
72-55-9	4,4'-DDE	9.2	U
72-20-8	Endrin	9.2	U
33213-65-9	Endosulfan II	9.2	U
72-54-8	4,4'-DDD	9.2	U
1031-07-8	Endosulfan sulfate	9.2	U
50-29-3	4,4'-DDT	9.2	U
72-43-5	Methoxychlor	47	U
53494-70-5	Endrin ketone	9.2	U
7421-93-4	Endrin aldehyde	9.2	U
5103-71-9	alpha-Chlordane	4.7	U
5103-74-2	gamma-Chlordane	4.7	U
8001-35-2	Toxaphene	470	U
12674-11-2	Aroclor-1016	92	U
11104-28-2	Aroclor-1221	190	U
11141-16-5	Aroclor-1232	92	U
53469-21-9	Aroclor-1242	92	U
12672-29-6	Aroclor-1248	92	U
11097-69-1	Aroclor-1254	92	U
11096-82-5	Aroclor-1260	92	U

-BL
6/21/05

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64D8

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-05

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: _____

% Moisture: 41 Decanted: (Y/N) Y

Date Received: 08/08/05

Extraction: (Type) SONC

Date Extracted: 08/09/05

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 08/17/05

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

319-84-6	alpha-BHC	2.9	U
319-85-7	beta-BHC	2.9	U
319-86-8	delta-BHC	2.9	U
58-89-9	gamma-BHC (Lindane)	2.9	U
76-44-8	Heptachlor	2.9	U
309-00-2	Aldrin	2.9	U
1024-57-3	Heptachlor epoxide	2.9	U
959-98-8	Endosulfan I	2.9	U
60-57-1	Dieldrin	5.6	U
72-55-9	4,4'-DDE	5.6	U
72-20-8	Endrin	5.6	U
33213-65-9	Endosulfan II	5.6	U
72-54-8	4,4'-DDD	5.6	U
1031-07-8	Endosulfan sulfate	5.6	U
50-29-3	4,4'-DDT	5.6	U
72-43-5	Methoxychlor	29	U
53494-70-5	Endrin ketone	5.6	U
7421-93-4	Endrin aldehyde	5.6	U
5103-71-9	alpha-Chlordane	2.9	U
5103-74-2	gamma-Chlordane	2.9	U
8001-35-2	Toxaphene	290	U
12674-11-2	Aroclor-1016	56	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	56	U
53469-21-9	Aroclor-1242	56	U
12672-29-6	Aroclor-1248	56	U
11097-69-1	Aroclor-1254	56	U
11096-82-5	Aroclor-1260	56	U

B6/29/05

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1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64D9

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-06

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: _____

% Moisture: 29 Decanted: (Y/N) Y

Date Received: 08/08/05

Extraction: (Type) SONC

Date Extracted: 08/09/05

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 08/17/05

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3

Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.6	U
72-55-9	4,4'-DDE	4.6	U
72-20-8	Endrin	4.6	U
33213-65-9	Endosulfan II	4.6	U
72-54-8	4,4'-DDD	4.6	U
1031-07-8	Endosulfan sulfate	4.6	U
50-29-3	4,4'-DDT	4.6	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.6	U
7421-93-4	Endrin aldehyde	4.6	U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	93	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	46	U
11096-82-5	Aroclor-1260	46	U

BL
8/29/05

1E
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

J64E0

Lab Name: CEIMIC CORP

Contract: 68-W-03-018

Lab Code: CEIMIC Case No.: 34482

SAS No.: SDG No.: J64D3

Matrix: (soil/water) SOIL

Lab Sample ID: 050617-07

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: _____

% Moisture: 83 Decanted: (Y/N) N

Date Received: 08/08/05

Extraction: (Type) SONC

Date Extracted: 08/12/05

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 08/19/05

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

319-84-6	alpha-BHC	9.9	U
319-85-7	beta-BHC	9.9	U
319-86-8	delta-BHC	9.9	U
58-89-9	gamma-BHC (Lindane)	9.9	U
76-44-8	Heptachlor	9.9	U
309-00-2	Aldrin	9.9	U
1024-57-3	Heptachlor epoxide	9.9	U
959-98-8	Endosulfan I	9.9	U
60-57-1	Dieldrin	19	U
72-55-9	4,4'-DDE	19	U
72-20-8	Endrin	19	U
33213-65-9	Endosulfan II	19	U
72-54-8	4,4'-DDD	19	U
1031-07-8	Endosulfan sulfate	19	U
50-29-3	4,4'-DDT	19	U
72-43-5	Methoxychlor	99	U
53494-70-5	Endrin ketone	19	U
7421-93-4	Endrin aldehyde	19	U
5103-71-9	alpha-Chlordane	9.9	U
5103-74-2	gamma-Chlordane	9.9	U
8001-35-2	Toxaphene	990	U
12674-11-2	Aroclor-1016	190	U
11104-28-2	Aroclor-1221	390	U
11141-16-5	Aroclor-1232	190	U
53469-21-9	Aroclor-1242	190	U
12672-29-6	Aroclor-1248	190	U
11097-69-1	Aroclor-1254	190	U
11096-82-5	Aroclor-1260	190	U

BL
4/29/05